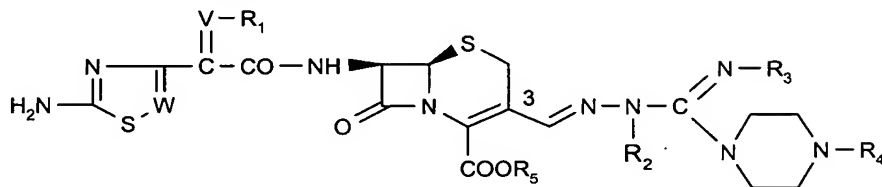


Amendments to the Claims

Cancel claims 1-15 and add claims 16-27:

16. (new) A compound of the formula

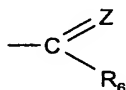


wherein

R₁ is hydrogen, acyl, carboxyl, or alkyl;

R₂ and R₃ are the same or different and independently of each other are hydrogen, cycloalkyl, alkyl, alkenyl, or alkynyl;

R₄ is hydrogen or a group of the formula



wherein R₆ is amino, hydrazino aminoalkylamino, alkoxy, aryl, cycloalkyl, aryloxy, heterocyclyl, alkyl, alkenyl, or alkynyl; and

Z is O, S, or NR₇, wherein R₇ is as defined as R₂;

R₅ is hydrogen or an ester moiety;

W is CH or N; and

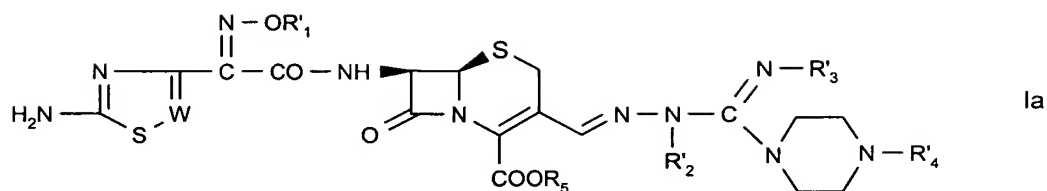
V is CH or N-O;

with the *proviso* that compounds of formula I wherein

- a) V is N-O, W is CH, R₁ is CH₃, R₂ is H, R₃ is CH₃, and R₄ is H;
- b) V is N-O, W is CH, R₁ is CH₃, R₂ is H, R₃ is H, and R₄ is H;
- c) V is N-O, W is CH, R₁ is CH₃, R₂ is CH₃, R₃ is H, and R₄ is H;
- d) V is N-O, W is CH, R₁ is H, R₂ is H, R₃ is H, and R₄ is H;
- e) V is N-O, W is CH, R₁ is H, R₂ is CH₃, R₃ is H, and R₄ is H; and
- f) V is N-O, W is N, R₁ is CH₂F, R₂ is H, R₃ is H, and R₄ is H;

are excluded.

17. (new) A compound of claim 16 of the formula

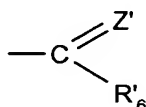


wherein

R₁' is hydrogen or alkyl;

R₂' and R₃' are the same or different and independently of each other are hydrogen, alkenyl, or alkyl; and

R₄' is hydrogen or a group of the formula



wherein

Z' is O or NR₇', wherein R₇' is hydrogen or alkyl; and

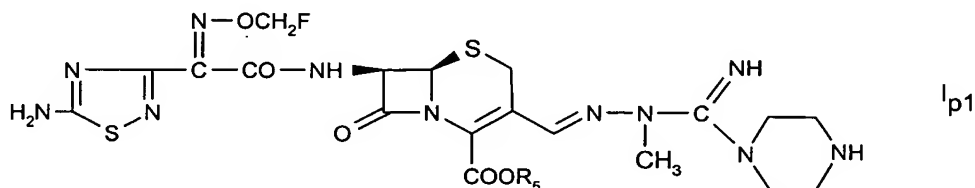
R₆' is amino; aminoalkylamino; hydrazino; alkoxy; unsubstituted aryl or substituted aryl; cycloalkyl; a 5 to 6 membered heterocycle containing 1 to 3 nitrogen and/or sulphur- and/or oxygen atoms; unsubstituted alkyl; or alkyl, one or several-fold substituted by unsubstituted aryl, or aryl substituted by hydroxy, alkoxy, or phenoxy; aryloxy; amino; hydroxy; carboxy; guanidino or nitroguanidino; or a heterocyclyl-carboximino group;

with the *proviso* that compounds of formula 1a wherein

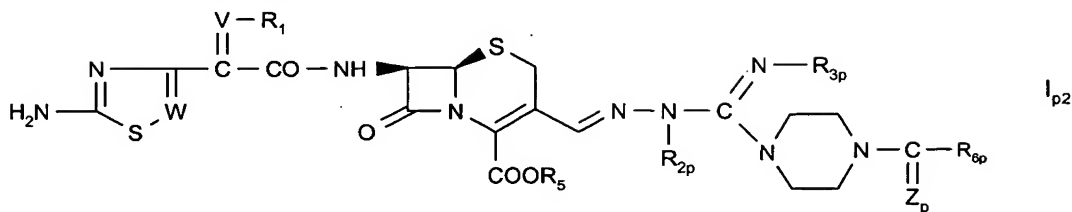
- a) W is CH, R₁' is CH₃, R₂' is H, R₃' is CH₃, and R₄' is H;
- b) W is CH, R₁' is CH₃, R₂' is H, R₃' is H, and R₄' is H;
- c) W is CH, R₁' is CH₃, R₂' is CH₃, R₃' is H, and R₄' is H;
- d) W is CH, R₁' is H, R₂' is H, R₃' is H, and R₄' is H;
- e) W is CH, R₁' is H, R₂' is CH₃, R₃' is H, and R₄' is H; and
- f) W is N, R₁' is CH₂F, R₂' is H, R₃' is H, and R₄' is H;

are excluded.

18. (new) A compound of claim 16 of the formula



19. (new) A compound of claim 16 of the formula

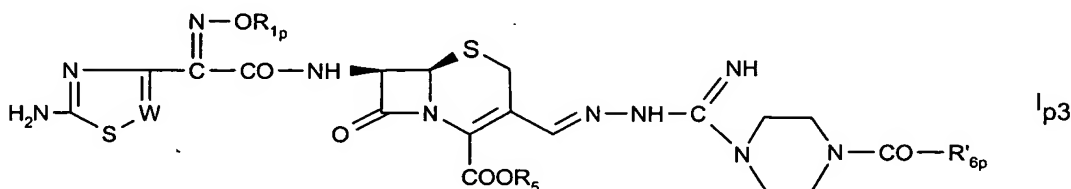


wherein

R_{2p} and R_{3p} are the same or different and independently of each other are hydrogen, cycloalkyl, or alkyl substituted by halogen or hydroxyl;

R_{6p} is amino, unsubstituted or substituted alkylamino or dialkylamino, alkoxy, aryl, cycloalkyl, aryloxy, an unsubstituted 5- or 6-membered, saturated, partially saturated or unsaturated heterocycle which may be condensed containing 1 to 5 nitrogen and/or 1 to 3 sulphur- and/or oxygen atoms, a substituted 5- or 6-membered, saturated, partially saturated or unsaturated heterocycle which may be condensed containing 1 to 5 nitrogen and/or 1 to 3 sulphur- and/or oxygen atoms by amino, hydroxy, alkoxy, acyloxy, carboxy or mercapto, cycloalkyl or unsubstituted straight chain or branched (C_{1-20}) alkyl, (C_{1-20}) alkenyl or (C_{1-20}) alkinyl, which may be interrupted by N, S, and/or O; once or several times substituted straight chain or branched (C_{1-20}) alkyl, (C_{1-20}) alkenyl or (C_{1-20}) alkinyl which may be interrupted by N, S, and/or O, by hydroxy, alkoxy, aryloxy, acyloxy, carbamoyloxy, amino, alkylamino, dialkylamino, trialkylammonium, acylamino, ureido, oximino, imino, carboxy, oxo, halogen, nitro, a carboxylic acid derivative, a sulphonic acid derivative, an unsubstituted 5- or 6-membered, saturated, partially saturated or unsaturated heterocycle which may be condensed containing 1 to 5 nitrogen and/or 1 to 3 sulphur- and/or oxygen atoms; or a substituted 5- or 6-membered, saturated, partially saturated or unsaturated heterocycle which may be condensed containing 1 to 5 nitrogen and/or 1 to 3 sulphur- and/or oxygen atoms by amino, hydroxy, alkoxy, acyloxy, carboxy, or mercapto; and Z_p is oxygen or NR_{7p} , wherein R_{7p} is as defined R_{2p} .

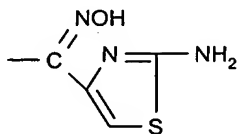
20. (new) A compound of claim 16 of the formula



wherein

R_{1p} is hydrogen or CH_2F ; and

R'_{6p} is hydrogen, (C₁₋₂₀)alkyl, (C₁₋₂₀)alkyl one or two fold substituted by phenyl, phenoxy, amino, hydroxyphenyl, hydroxy, carboxyl, guanidino or nitroguanidino, unsubstituted phenyl or phenyl substituted by acetoxy, or pyrrolidinyl; or a compound of the formula

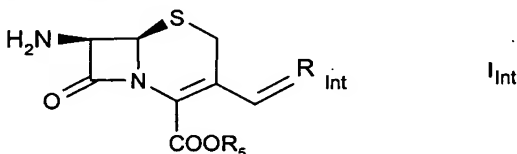


21. (new) A compound of claim 16 in the form of a salt and/or in the form of a solvate.

22. (new) A compound selected from

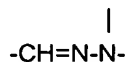
- 1-[(1-methylhydrazino)iminomethyl]piperazine;
- 1-[(1-ethylhydrazino)iminomethyl]piperazine;
- 1-[(1-allylhydrazino)iminomethyl]piperazine;
- 1-[(1-(4-methoxybenzyl)hydrazino)iminomethyl]piperazine;
- 1-[(1-(3,4,5-trimethoxybenzyl)hydrazino)iminomethyl]piperazine;
- 1-[(1-methylhydrazino)(methylimino)methyl]piperazine;
- 1-[(1-methylhydrazino)(ethylimino)methyl]piperazine;
- glycin-(4-hydrazinoiminomethyl)piperazide;
- 1-(R)-(amino(4-hydroxyphenyl)acetyl)4-(hydrazinoiminomethyl)piperazine;
- 1,4-bis-(hydrazinoiminomethyl)piperazine; and
- 1-(hydrazinoiminomethyl)-4-[ethylimino][3-dimethylaminopropyl)amino]methyl]-piperazine.

23. (new) A compound of the formula



wherein

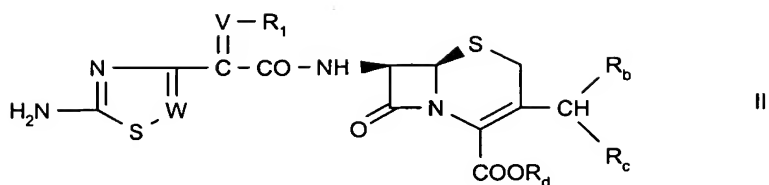
R₅ is hydrogen or an ester moiety and R_{int} is a group of the formula



which is formed by a bond of the terminal amine group of the hydrazino group of a compound of claim 22 and wherein the -N- group is substituted according to a compound of claim 22.

24. (new) A process for the production of a compound of claim 16, which comprises

- a) reacting a compound of the formula

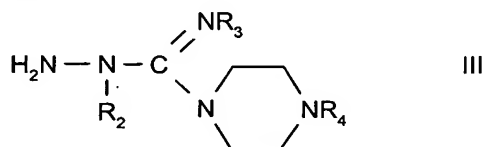


wherein

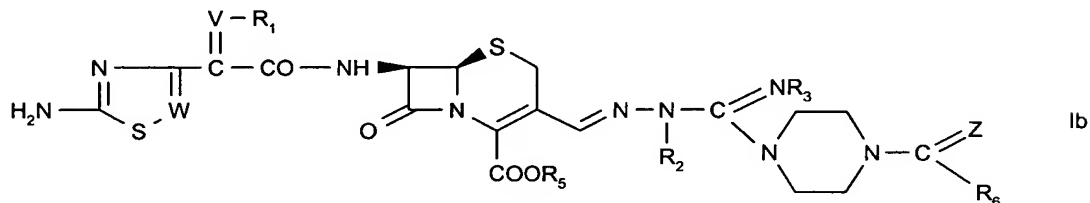
α) R_b is hydroxy and R_c and R_d together are a bond, or

β) R_d is hydrogen, a cation, an ester moiety, or a silyl group and R_b and R_c are oxo

with a compound of the formula

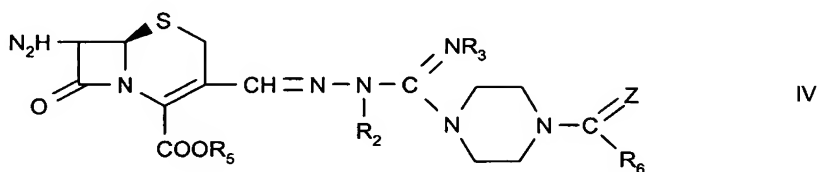


25. (new) A process for the production of a compound of claim 16 of the formula

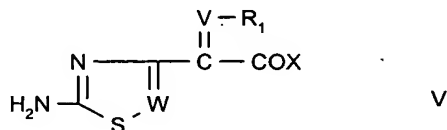


which comprises:

a) acylating a compound of the formula

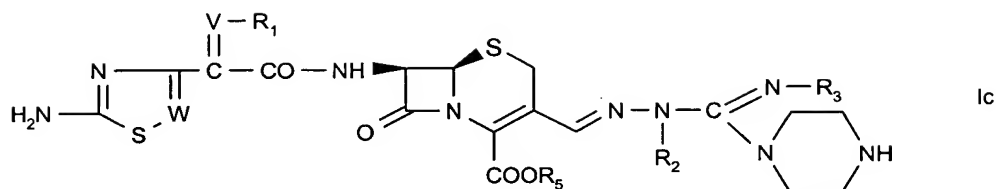


with a compound of the formula

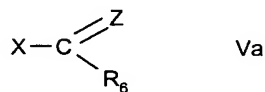


wherein X is a leaving group; or

b) reacting a compound of the formula



with a compound of the formula



wherein X is a leaving group.

26. (new) A pharmaceutical composition comprising a compound of claim 16 in the form of a pharmaceutically acceptable salt or in free form in association with at least one pharmaceutical carrier or diluent.
27. (new) A method of treating microbial diseases which comprises administering to a subject in need of such treatment an effective amount of a compound of claim 16.